

2004 BMW K 1200 S



Engine	4-cyl. – 4 stroke inline 4
Cooling	Water
Capacity	1157 cc
Output in kW/rpm	167 bhp @ 10,250 rpm
Torque	96 ft-lbs. @ 8,250 rpm
Valves	Dohc, 4 valve
Gears	6
Secondary drive	shaft
Frame type	Al-frame
Suspension front	Double longitudinal link
Suspension rear	EVO-Paralever (Duolever)
Suspension travel front	4.5 inches
Suspension travel rear	5.3 inches
Brake front	4-piston
Brake discs front	2 x 12.6 inches
Brake discs rear	10.4 inches
Totalwidth (mirrors) in inches	33.8 inches
Total length in feet	7.26 feet
Wheelbase	61.9 inches
Steering headangle	60.6 degrees
Seat height inches	32.3(31.1 inches)
Dry weight	515 lbs.
Load capacity	448 lbs.
Fuel tank capacity	5.0 gallons
Theoretical range (at constant 75 mph)	217 miles
Top Speed	more than 120 mph
Acceleration 0-60 mph	less than 2.8 seconds
Brake system	Partial integral ABS
Exhaust emission control	G-Cat, SLS
Service interval	6,000 miles
MSRP	N/A
Model year	2005
Engine	Four-cylinder, four-stroke, inline engine

Drive	Double leading link at front, EVO-Paralever at rear
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Chassis

Normal castor angle (in inches)	4.4 inches
Normal wheelbase (in inches)	61.8 inches
Normal ground clearance (in inches)	4.65 inches
Normal height of rider footrests (in inches)	13.4 inches
Largest width of pillion footrests	26.3 inches
Width of pillion footrest (in inches)	3.5 inches
Normal height of pillion footrests (in inches)	18.7 inches
Construction of rear suspension strut	Single tube gas pressure shock absorber, diameter = 1.81 inches
Total rear suspensi on travel (in inches)	5.3 inches
Total front suspensi on travel (in inches)	static 115 dynamic: 125
Front tire	Metzeler Sportec-M1 120/ 70 ZR 17 Bridgestone BT 014F 120/ 70 ZR 17
Rear tire	Metzeler Sportec-M1 190/ 50 ZR 17 Bridgestone BT 014R 190/50 ZR 17

Brakes

Front brake system	4-cyl. fixed calliper
No. of brake pistons	4
Brake cylinder diameter	1.3 inches/ 1.4 inches
Front brake pad	sintered
Rear brake system	2-cyl. fist calliper
No. of brake cylinders	2
Brake cylinder diameter	2x28 mm
Rear brake lining	organic
Anti-lock system (Standard/SA)	I-ABS with part-integral (SA without)

Optional extras

lower seat (31.1 inches)	lower seat (31.1 inches)
Removal of ABS	Main stand
Electronic Suspension Adjustment (ESA)	Sports pannier
DWA	DWA
Heated handlebar grips	Heated handlebar grips
	Tank-top bag
	Navigation system

Accessories

Colors

Granite gray metallic
Indigo blue metallic
Indigo blue metallic / alpine white
Sun yellow / white aluminum metallic / dark-graphite metallic

Dimensions, weights, general data

Heel angle limit with 188 lb. rider (in °)	50°
DIN unladen weight (lbs.)	545 lbs.
Dry weight (lbs.), BMW Standard (with dry battery)	499 lbs.
Dry weight (lbs.), Japan Standard (without battery)	488 lbs.
Gross weight limit (lbs.)	992 lbs.
Load (lbs.)	448 lbs.
Axle load distribtuion without rider (lbs.) (%) f./r.	50.2% / 49.8%
Axle load distribution with 85kg rider (%) f./r.	46.9% / 53.1%
Seat height without rider (inches)	32.3 (31.1)
Inner leg curve length, standard seat	71.1 inches
Inner leg curve length, low seat (SA/SZ)	70 inches

Aerodynamic values

Cx * A with seated rider	0,4
Cx * A with rider crouched	0,36

Ride data

Max. acceleration 0-100 km/h (measured)	2,8
Max. acceleration 0-140 km/h (measured)	4,4
Max. acceleration 0-200 km/h (measured)	8,5
Flexibility: 60-100 km/h in 6th gear (measured)	3,9
Flexibility: 100-140 km/h in 6th gear (measured)	3,7
Flexibility: 140-180 km/h in 6th gear (measured)	4,2

Ride data

Top speed (measured) (mph)	over 124 mph
Top speed with 1 person (measured) (mph)	over 124 mph
Stopping distance using all brakes with ABS 80 km/h - 0 km/h	27 m
Stopping distance using all brakes with ABS 100 km/h - 0 km/h	41 m
Stopping distance using all brakes with ABS 120 km/h - 0 km/h; values in brackets correspond to 130 km/h - 0 km/h	59 m
Consumption at a constant 55 mph (gallons)	< 1.18 gallons
Consumption at a constant 75 (mph) (gallons)	< 1.4 gallons
Theoretical range before refueling (75 mph)	218 miles